FOR YOUR APPLICATION



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SENSORS FOR MEDICAL DEVICES

Major developments in personal heatlhcare and diagnostic analysis, together with the ability to screen health issues early and deliver effective and personalised treatment options, is changing medical care as we know it.

We combine thin-film or thick-film technology to manufacture a wide variety of sensor elements for temperature, flow, conductivity, humidity and biological metabolite monitoring.

Our sensors can be used in real-time remote health monitoring systems, monitoring breath intake respiratory rate, respiratory care anaesthesia gas blender and continuous critical care treatment.



TRANSPORT TEMPERATURE CONTROL

Our thin-film platinum temperature probes attached to a datalogger, are designed to meet the demands of transport temperature control with a much wider temperature range than traditional thermistor probes.

- Small size
- Long-term stability
- Simple algorithmic signal processing
- Wide temperature range



RESPIRATORY RATE MONITORING

the flow volume of each breath intake and exhalation.

- Extremly fast response times
- Flow rate monitoring and flow direction detection
- Wide flow range from 0 to 150 m/s
- Temperature range from -40 °C to +80 °C
- Suitable for low flow velocitites up to 3.5 m/s (in gases)
- Ceramic or silicon based versions available

CONDUCTIVITY SENSORS

- Customized electrode design
- With or without built-on temperature sensor
- Wide measurement range (10 nS/cm² to 200 mS/cm²)



